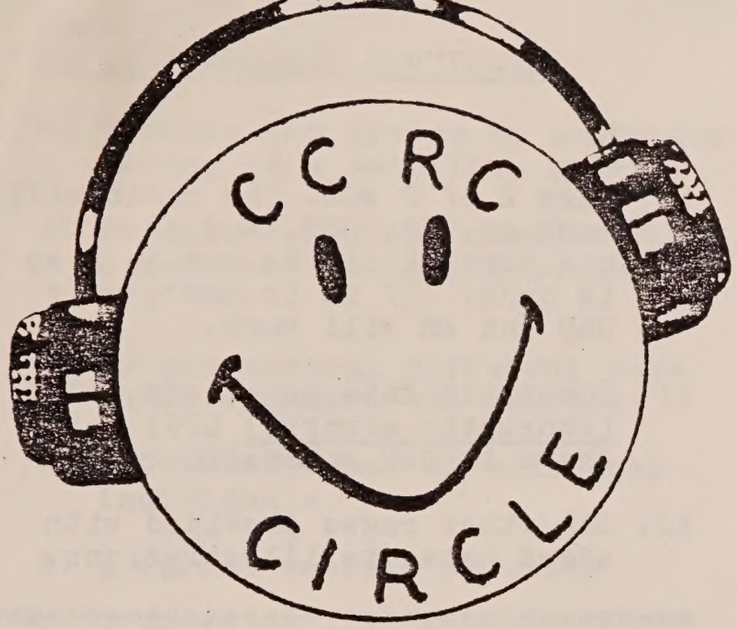


MARCH '80

The CENTRAL CALIFORNIA RADIO COUNCIL was formed in 1951 to coordinate Amateur Radio activity in the nine Bay Area counties, to to present a unified front and to interchange information. The CCRC is not another club; only clubs, not individuals are members. Meetings are held the first Wednesday of each month. The usual meeting place is the QTH of Don Johnson W6QIE (The NPEC Clubhouse), 222 Alta Vista Drive, South San Francisco.

NEXT CCRC MEETING: Wednesday, MARCH 5.

COMING EVENTS IN HAM RADIO

Apr.	5 - 6,	ARRL open CD party
May	9 - 10,	Fresno Hamfest
June	14 - 15,	ARRL VHF Contest
June	28 - 29,	FIELD DAY
July	25 - 27,	1980 ARRL National Convention, Seattle, WA
Aug. 30 - Sept. 1,		ARRL Pacific Division Convention, San Jose
Mar. 13 - 14, 1981,		ARRL National Convention Orlando, Florida

PLEASE: How about some LOCAL "Happenings" Send to YOUR EDITOR. TNX.

The CCRC Circle is published monthly by the CENTRAL CALIFORNIA RADIO COUNCIL. It is distributed to all Member-Club Delegates and to Club Presidents or Secretaries. Any clubs will be sent the CIRCLE on an exchange basis if they send copies of their own paper to the Editor of the CIRCLE. The subscription for non-reciprical readers is $5.00 per year. Articles herein not otherwise credited are the opinions of the Editor. Send all copy and correspondence to Fred Barry K6RTU, Editor CCRC CIRCLE, 105 Solana Drive, Los Altos, CA 94022. Deadline for all copy is the 21st of the month.

CCRC OFFICERS - 19

PRES: Ted Harris, W8RPA/6, 271 Mimosa Way, Portola Valley 94025 Ph. 854-1949

VEEP: Jerry Starkey, WA6LIJ, 736 Filip Rd., Los Altos 94022Ph964-6584

SECT: Kelly Tuttle WB6AAJ, 886 Highlands Circle, Los Altos, CA 94022 Ph 961 2259

TREA: Fred Barry K6RTU, 105 Solana Dr. Los Altos, CA 94022 948-8068

BITS & PIECES

The new SPECS repeater has it's new duplexer installed, and it sure makes a differerence. It is now a real machine. It is not yet installed atop of El Camino Hospital, but hopefully will be in a couple of months. Give it a try: 145.27 out, 144.67 in, W6ASH/R, Los Altos Hills

ADDITIONAL COMING EVENTS

NPEC AUCTION APRIL 11 @ Fri. 8PM

May 17 Sat. EMARC FLEA MARKET

SEPT 13 FARS FLEA MARKET

Attention All Clubs

Do you have a concrete proposal in regards to how to revise current CCRC Field Day scoring rules? If so write to: F. Barry, 103 Solana Dr. Los Altos, CA. 94022

ATTENTION SEARS 3826 OWNERS

The following are new changes as of 2/15/80. Thanks to SPARK member "Lynn"(W6QEA) for the information.

1. Typically, The REF LO XTL will be 1/3 the REF XTL LO and it will be a fundamental around 12 MHz.

2. Page 1 of 2 #7 should say, using LO osc. assembly board, bottom view, as guide lift + end of varactor, add a 10uh choke/coil in series, then unsolder the two "CB" crystals (shown as X).

3. Page 1 of 2 #8 should read, disconnect the 2 wires from TB, and LSB as shown and tape and stow.

4. Page 1 of 2 #9A add; cut and connect the red (USB) wire to BB (+8v) voltage (white wire on mode switch).

5. Page 1 of 2 #13 add; The same white wire on the mode switch as the "USB lead". (BB power). Jumper R711 on main board.

6. Page 1 of 2 #17. Do not wind coil slugs! Do not turn coil slugs 1/2 turn. * means 2/3.

7. Page 2of 2 #23. The radio should provide a ±5KHz shift of both receive and transmit freq. in all modes. This is done by the fine tune pot being on BB (+8v) power.& coil added to varactor circuit.

8. Page 2 of 2 #24. To set transmitter & receive freq. to desired spot, adjust Y1 set capacitor on LO osc. assy.

9. Page 2 of 2 #25. To set $\frac{Rx}{Tx}$ freq. (ch1) to 28.505 purchase a 12.840 MHz fundamental mode (for Sears) crystal for Y1 (HC 25 holder, wire leads). It computes 12.8333, but varactor mod pulls it-7KHz(x3).

10. Page 2 of 2 #26. The radio will work on LSB, USB, and AM with one crystal it the mod in step 9A is done. If it is not , only USB and AM will work.

11. Schematic data page, add under (schematic errors:) L701 not shown in OSC schematic.

12. See other pages provided with added notes to illustrations.

****

THE BAY AREA GATEWAY PROJECT

Re: ASCII, REPEATERS, PACKET RADIO, SATELLITES, ETC.

If your a Radio Amateur or Computer enthusiest or both, the following may be the project for you. Some exciting developments are about to happen and I'm interested in finding people who would enjoy doing some pioneering work to bring about a new era in Amateur/personal radio and computer communications in this area. Whats New:

* The FCC commissioners have approved ASCII for use by Radio Amateurs.

* AMSAT phase III, with a special service channel for data communications will be launched in the summer of 1980.

* The use of personal computers has generated a requirement for computer to-computer data transmission with reliable, error free results.

* Computerized bulletin boards run by private groups are sprouting like weeds.

The above componets in proper combinations foreshadow the day when messages could be routed Nationwide throug interconned networks of personal computers. Here's a brief outline of developments as foreseen by Hank:

1. Establishment of an ASCII repeate on 220 or some higher frequency.
2. Addition of a message store and forward capability to the repeate net.
3. Add land-line access to the message storage system.

GATEWAY PROJECT CONTINUED

4. Connect the system to a station acting as a satellite gateway.

5. Establish regular contact with other centers having message systems.

Their are several different ways we could organize the project:

A. A connected set of motivated individuals.

B. A formal society or club.

C. A small Company to make and market products.

Please contact me if you feel like participating in the above effort. WRITE TO:

Hank Magnuski
KA6M
311 Stanford Ave.
Menlo Park, Ca. 94025
(415) 854-1927

73's HANK

****

NET NEWS

Thrusdays,5PM(local),slow speed CW net, on 3,725-3,730KHz±QRM. TNX WORLDRADIO

SIRARC NET, mode AM, Tues,10AM, over 145.8MHZ.

Sunday, TRS-80 Computer Net,1900Z, 14.342 MHz, SSB, WA6YKH or write to Sandi Heyn, WA6WZN, 962 Cheyenne St., Costa Mesa, CA. 92626.
TNX WORLDRADIO

CCRC MEETING MINUTES

The Feb. 6 meeting held an attendance of 11 persons. President Yeoman(W6URA) opened the official meeting at 8:25PM. Acceptance of the January minutes as printed was approved. Treas. report: Fred(K6RTU) showed a bank statement as of Jan 22 of $191.41, debits-check to D. Johnson for $40.00(for rent), $82.94 to Fred(for five published paper costs), $10.00 to K. Tuttle(Sec. duplication costs), total debits of $132.94. Credits from-Shaver Radio $30.00; SIRARC dues $6.00; E. Bongo subscription $5.00; SPARK dues $6.00; A. Burgess subscription $5.00; SFRC and HAMS dues $18.00, total credits of $118.54. New bank balance of $177.01. Secretaries report: Kelly WB6AAJ) Passed out J&H Ham gear insurance forms sponsored by the ARRL. Sent correspondance to ARRL as to their request of updating list of new CCRC officers. The March meeting will see the entry of a "Speakers Logbook". This book will include speakers whom you deem other clubs could benifit from. A bill was sent to NCDXCC, C/O Bip W6BIP. OLD BUSINESS: Nominations were opened to the floor by President Yeoman. Those mentioned in the Feb. Circle with the exception of Fernando (KA6EHB) were elected. Fred will continue the treasurers slot, just so he will not spend it all in one place! Congratulations to all the new electee's. May all the Club rep's help support these new officers throughout 1980! Note: Last year CCRC had 16 clubs paid up. About 30% of which provided a representitive each month. Discussion about what CCRC can do for other clubs was presented by Les(W6JKY).

OLD BUSINESS CONT'D: Jerry(WA6LIJ) suggested a BAY AREA seminar on RFI, having leading speakers speak to BAY AREA clubs. His other thought was to augment a meeting by holding a short CCRC net. A final comment by Jerry was to take a program to a club and present it as a CCRC PROGRAM using a interesting speaker, the final 15 minutes tell club about the CCRC. Kelly (WB6AAJ) suggested a unified body of clubs to set up a tri-city shopping mall public demonstration of AMATEUR RADIO. Those present were in agreement that the RFI issue was the most popular to all clubs. The seminar is in the planning stage with no CCRC charman at this press time. Lammy began Field day Plaque discussion. Ed(W6NVO) tried to contact a friend of his in San Jose. He reported that the fellow sold his business and the new owners are not interested. Beryl(WB6BRL) was told about how the plaque came into being, history, etc. Ted(W8RPA/6) asked how mush does CCRC wish to spend on this project? no answer was given. Lammy volunteered to make addition and will seek out trophy stores about glass plates. W8RPA will bring existing plaque to the next meeting. Lammy can examine it and give the council his own estimate of how much it would entail I.E. add a new one, add chain, whatever. The April meeting Lammy would be reimbursed for all expenditures. WB6BRL suggested obtaining a old wooden TV set top and refinishing it. He knows of one who dees restorations professionally. The existing plaque is 18" long X 15" wide. NEW BUSINESS: Sy (WA6ROM) wishes to get the Perham Foundation interested in the CCRC, with its members consent.

****

CIRCLE BUSINESS*-Need more More LOCAL ACTIVITIES PLEASE. Let the editor know before press time and bring a club rep. to the next CCRC meeting we want to hear from you! TNX Fred K6RTU

CLUB REPORTS

SPECS; Kelly, WB6AAJ- Feb 28 participated in MEDEX-80 exercise, working with San Jose Hams. WB6AAJ received a very nice thank you letter from the Red Cross Disaster Services, chairman. As Los Altos's Festival of lights parade communications coordinator WB6AAJ received a public service commendation from the ARRL. SPECS meets every Mon. night over WR6AIS (144.63in/145.23out) @ 8PM. (note: See page one under "Bits and Pieces").

SPARK; Fred, K6RTU-Feb. 6, no peaker, discussed two items. #1 Jamming on repeater, #2 new second Philco club being formed in new Sunnyvale location.

SMARC; Ed, W6NVO-Jan 18, "Programs and Activities for 1980. Has active Civil Defense and Races group, (net on Tues. evenings over 145.36MHz). Feb. TBA.

NPEC; Fernando, KA6EHB- Dec. 14,79-"Club Party. Jan. and Feb. TBA. April 11 AUCTION. (See coming events). Meets the second Fri. of each month at 8Pm at QTH of W6QIE. Jan, "Installation of Officers".

EBARC; Les, W6JKY-Jan 11, "Wind Driven Generators". Feb.8, "Emergency Services Plan" by Ron Miller WB6JGV (heard on Contra Costa Races) March 7, "ARES Program" by Dwayne Estridge W6LKE of county OES, Red Cross. Also in March will participate in SET.

FARS; Ted, W8RPA/6-Jan, Held Annual Banquet, guest speaker was Jerry Jensen of Channel 7, his call N6AKD at this printing. Showed blooper film, very funny, a banquet attendance of some 95 people, great crowed. Feb. 29, "Packet Radio" by H. Magnuski, KA6M. (see page 2). March TBA.

CLUB REPORTS CONTINUED

SIRARC; Beryl, WB6BRL-Jan. 25 "Search & Rescue" by Lutenent Misell of S.F. Airport. Talked on the how, why, when, where they work. Their are 150 licensed HAMS in this organization.

Perham Foundation; Sy, WA6ROM-Feb. 13th "Oscar Meeting". Membership now being solicited at $10.00/year. Attend the Electronic Museum located on Foothill Junior College, Los Altos Hills, Ca., Sundays open from 1 to 4:30 PM, non members $1.00, children $.50 .

EMARC; Jerry, WA6LIJ-Feb. 18 "Wind Generators". Questionare sent to all members asking them what they would like to do for EMARC for 1980.

SFRC; Jerry Jensen spoke on "Bloopers" and showed his film. Liberty ship to be restored into a museum, involves work, retired people to man Amateur station, shack to be remodled with original gear. Feb.22 luncheon held to help support ships funding. Ship will make several short cruses per year. 1981 will be stations target date to be on the air. Club growth consistant with 2 to 3 new persons joining each month! DE Lammy W6URA

HAMS; Lammy, W6URA- This small group of six will begin again to meet at the Red Cross building to keep in good standing.

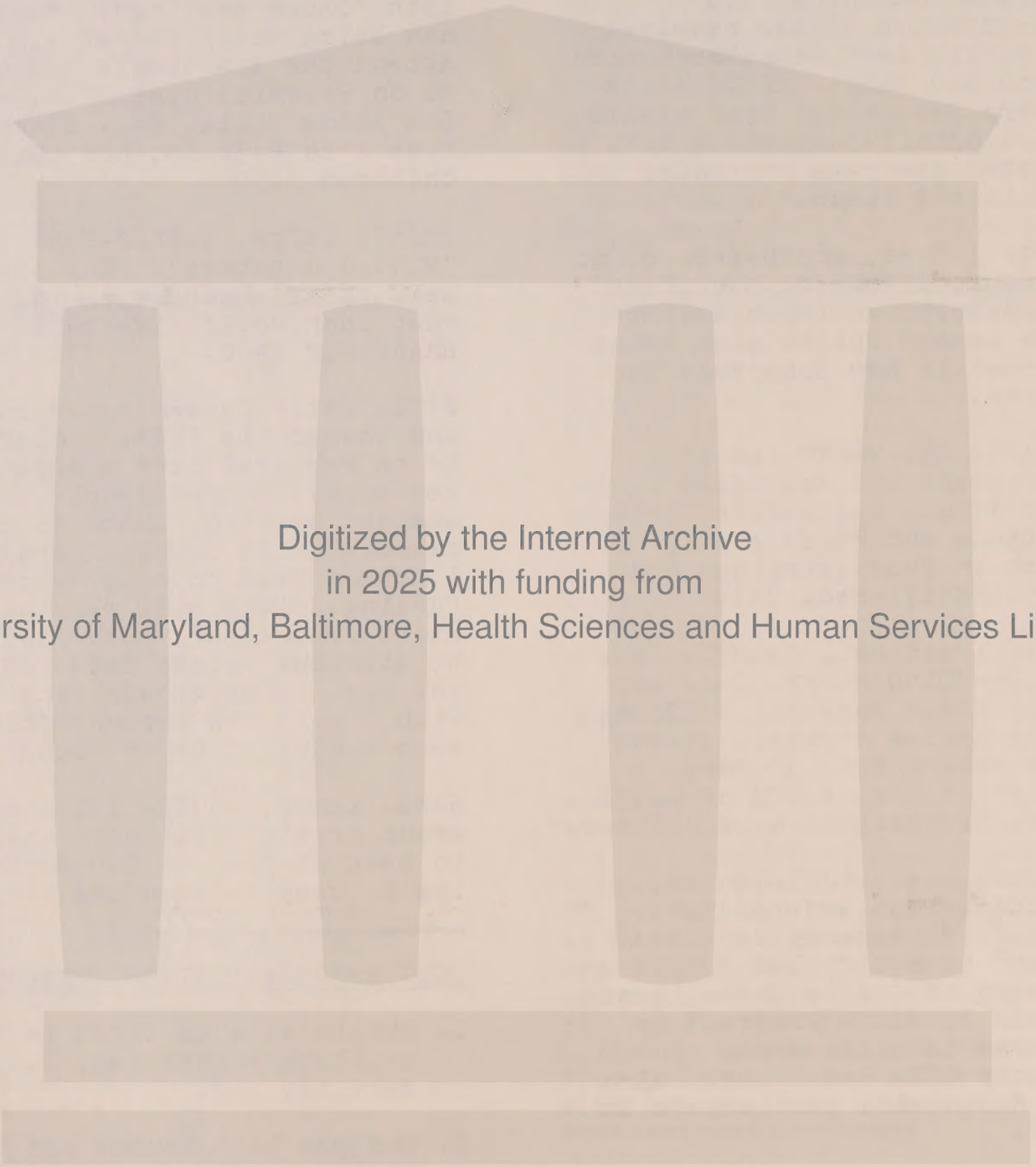
CCRC REPRESENTITIVES HOMEWORK AGENDA

1. Obtain as much info. in regards to clubs activities, I.E. public service, etc.

2. Who was last months and this months speaker? His topic, call(if any), where he can be reached.

If you are prepaired to answer the above statements then you will be able to give an interesting club report which will benifit the Circle and other Bay Area Clubs.

MEETING CONCLUDED AT 10:50 PM KCT



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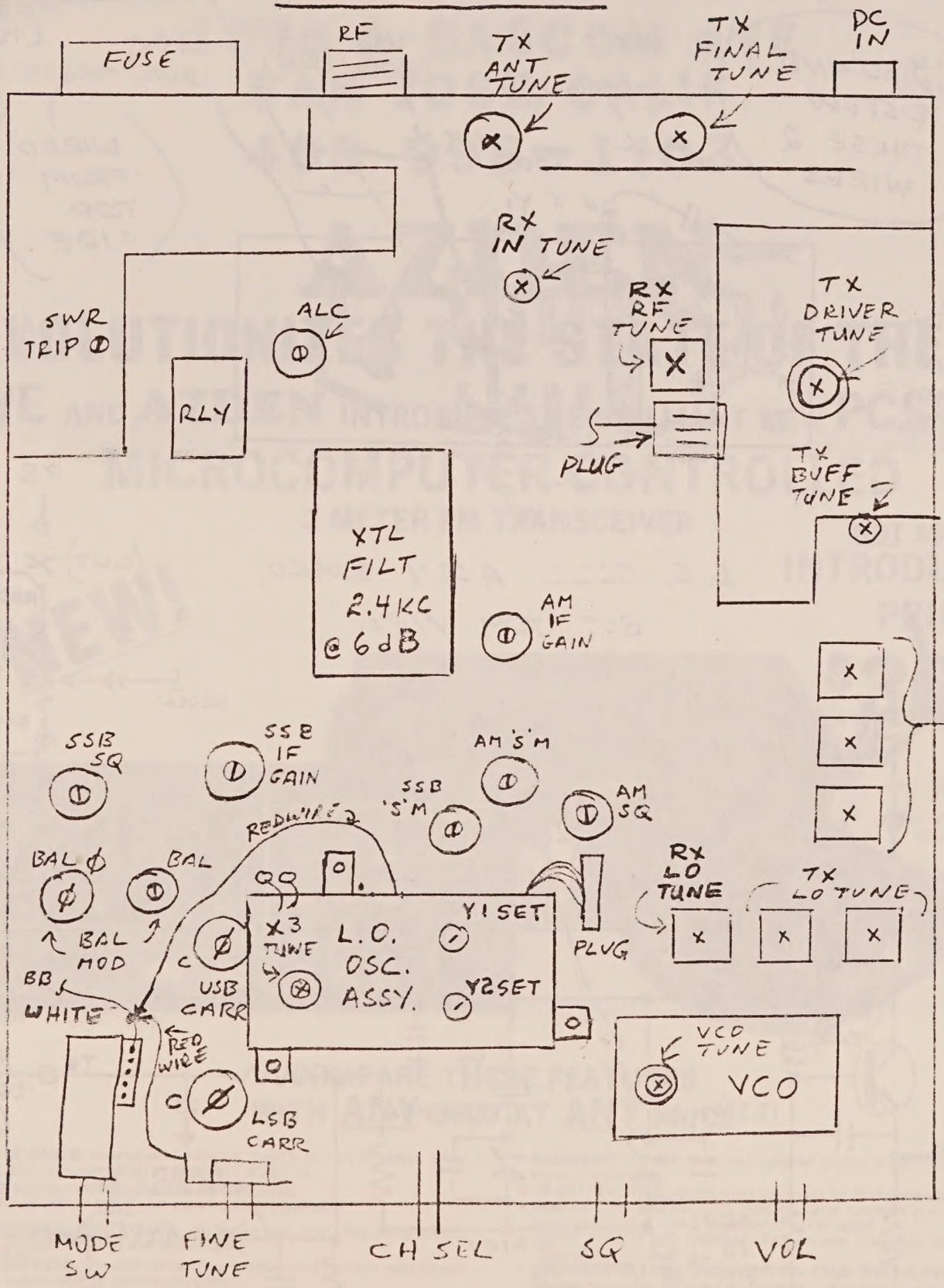


CAUTION

COIL SLUGS WILL STICK OR BREAK !

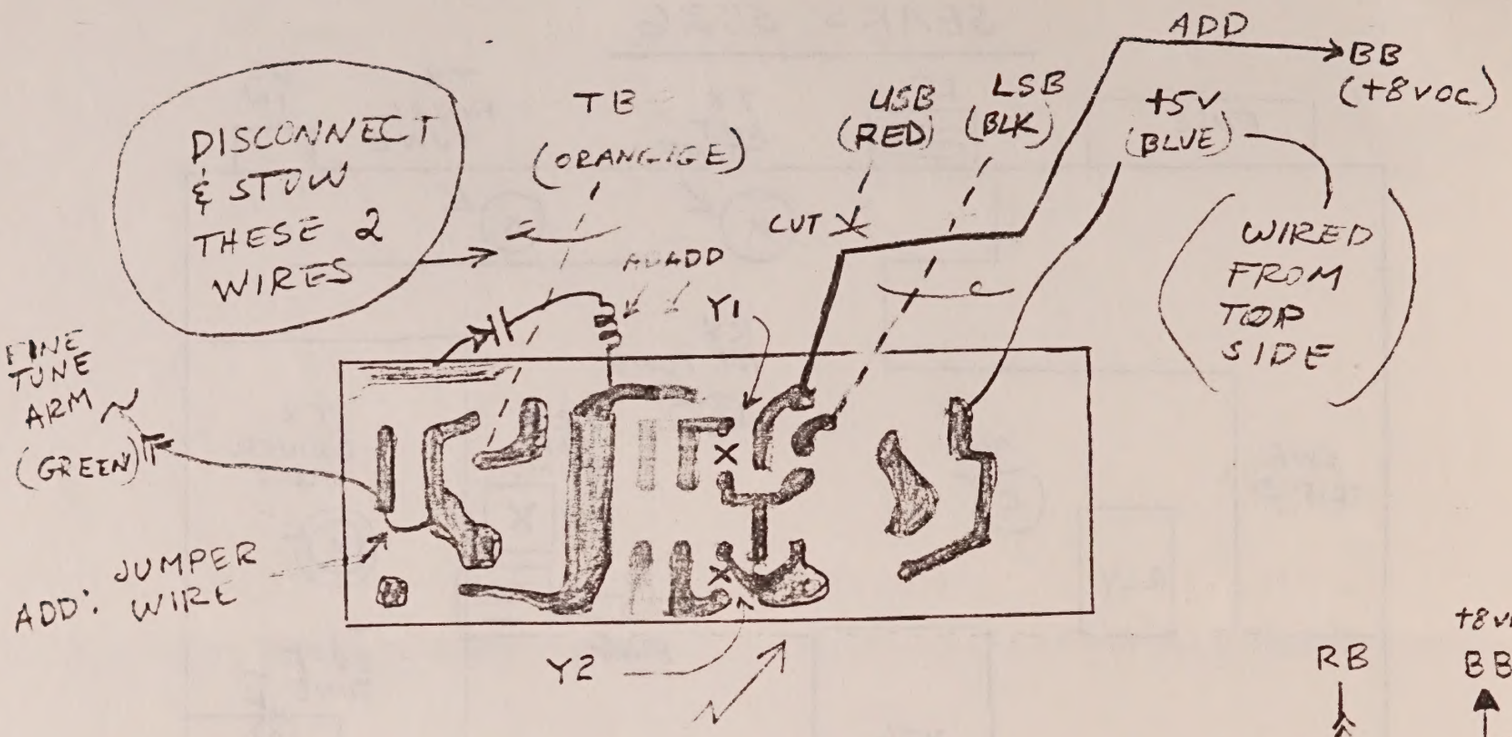
USE A WOOD TOOTHPICK AS TOOL

BOTTOM VIEW,
(COMPONENT SIDE)

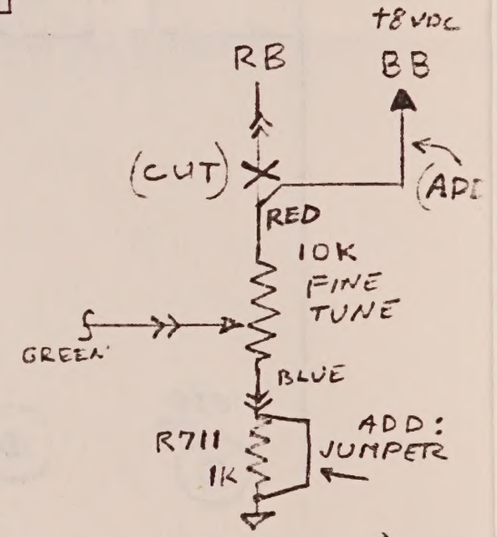
= COIL SLUG

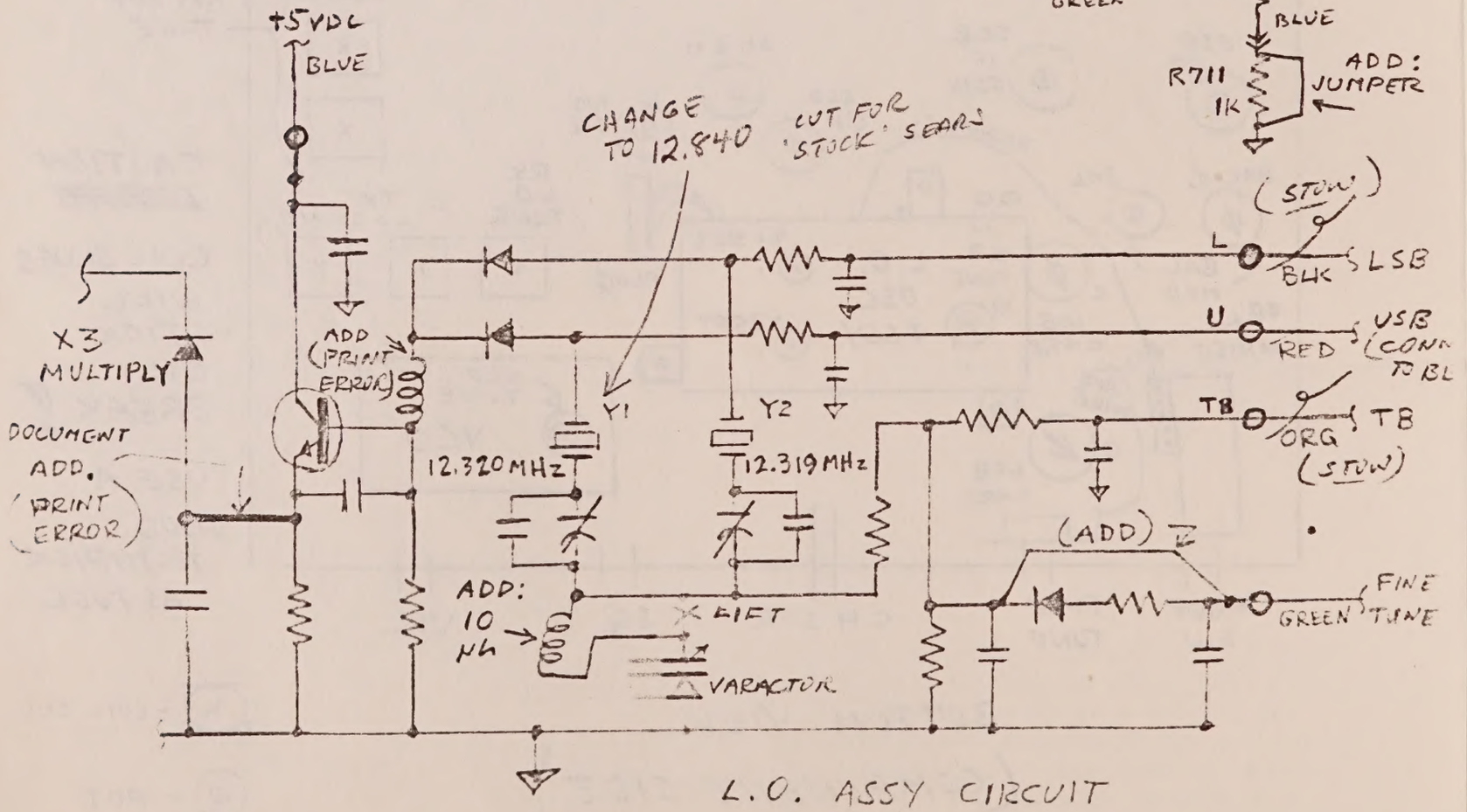
= POT

= TRIM CAP



L.O. ASSY BOARD, BOTTOM VIEW





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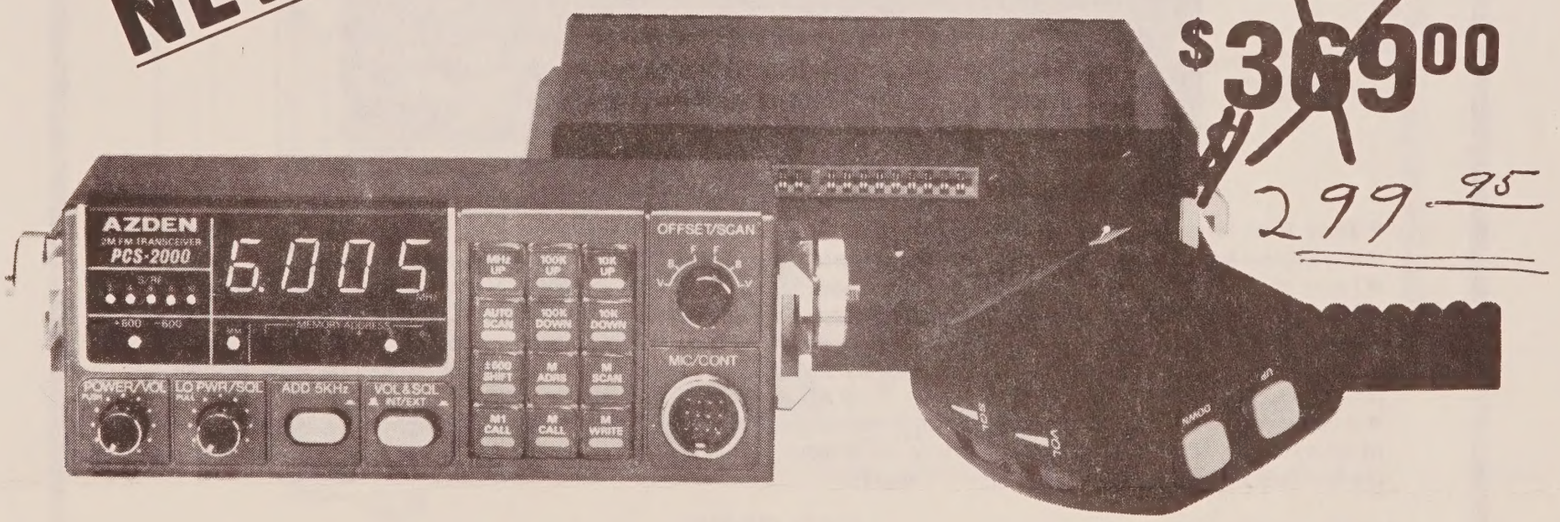

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MODEL	BAND (Meters)	LENGTH (feet)	PRICE
40-20-HD	40/20	36	$58.25
40-20 HD/A	40/20	36	$63.50
75-10 HD	75/40/20/15/10	66	$94.25
75-10 HD/A	75/40/20/15/10	66	$99.50
75-10 HD(SP)	75/40/20/15/10	66	$94.25
75-10 HD(SP)A	75/40/20/15/10	66	$99.50
75-20 HD	75/40/20	66	$80.25
75-20 HD/A	75/40/20	66	$85.50
75-20 HD(SP)	75/40/20	66	$80.25
75-20 HD(SP)A	75/40/20	66	$85.50
75-40 HD	75/40	66	$68.00
75-40 HD/A	75/40	66	$73.25
75-40 HD(SP)	75/40	66	$68.00
75-40 HD(SP)A	75/40	66	$73.25
80-10 HD	80/40/20/15/10	69	$98.50
80-10 HD/A	80/40/20/15/10	69	$103.75
80-10 HD(NT)	80/40/20/15/10	69	$98.50
80-10 HD(NT)A	80/40/20/15/10	69	$103.75
80-40 HD	80/40/15	69	$72.00
80-40 HD/A	80/40/15	69	$77.25
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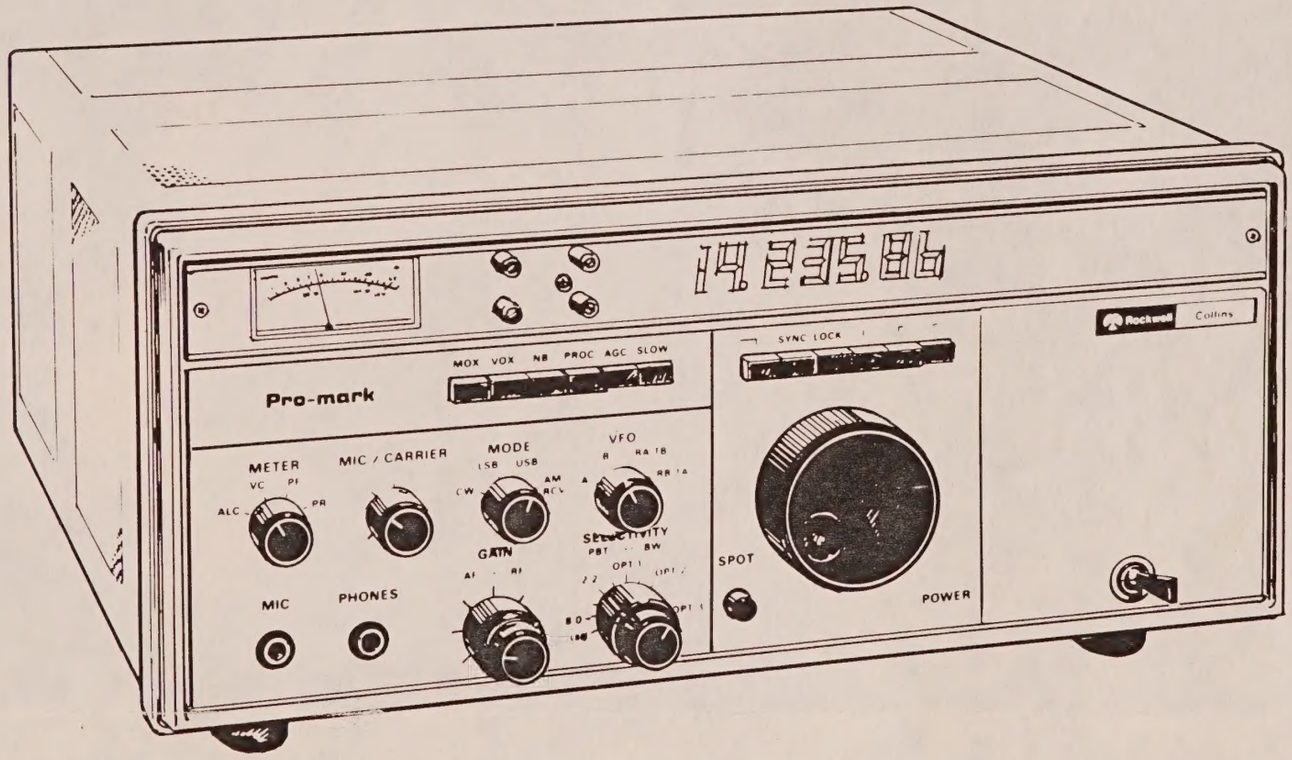

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